

Work Order ID 158089

Thursday, March 09, 2017 1:57:51 PM

158089

Page 1

Item ID: D4182-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fitting, Quick Disconnect

Start Date: 3/13/2017 Start Qty: 10.00

10

Cust Item ID:

Required Date: 3/27/2017 Req'd Qty: 10.00

10

Customer:

Reference: SCHEDULED

Approvals: Process Plan:

DAS
21
9-89

Date: MAR 10 2017

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4182

B

100

0.00

100

Purchasing

PURCHASING

0.00

Purchasing

Memo

Issue P/O: _____

Purchase Part Number: P/N 6718K52

Supplier: MCMASTER CARR

Material release note is required.

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.03

Packaging

Ensure material release note is attached

10 MAR 20 2017

10X SP1703-20

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
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Root Cause				FAULT CATEGORY																																																											
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
OTHER :																																																															

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Page 2

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Customer:

Reference: SCHEDULED

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

10

DAS
38
9-88
MAR 20 2017

130

Identify as per dwg & Stock Location: Store

0.00

130

Packaging

Memo

0.02

Packaging

10

MAR 21 2017

DAS
6
9-88

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.17

Quality Control

17/3/21 JF
mf
17-3-21

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Thursday, March 09, 2017 1:57:58 PM

Page 1

Work Order ID: 158089

158089

Parent Item: D4182-1

D4182-1

Parent Item Name: Fitting, Quick Disconnect

Start Date: 3/13/2017

Required Date: 3/27/2017

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:A 10.10.05 new issue verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
6718K52		Purchased	No			110	Each	0.0000	1	10			
6718K52									**				
Fitting, Quick Disconnect													

10x80170320

DQA: _____ Date: _____



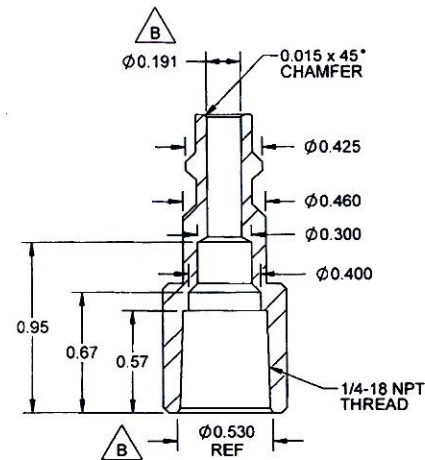
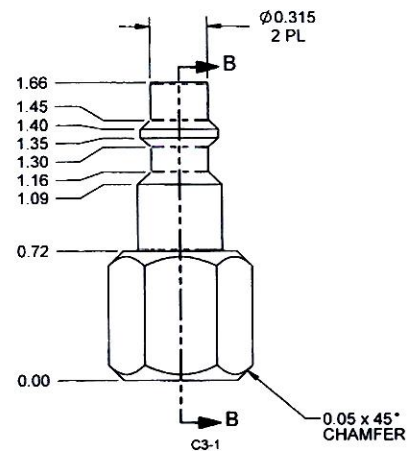
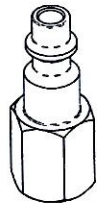
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

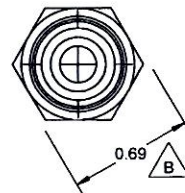
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

SPECIFICATION CONTROL DRAWING



SECTION B-B C6-1



D4182-1 FITTING, QUICK DISCONNECT

**SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 158089 M.C.S
1703-10**

RELEASED
2011-06-30
ND

NOTES:

- 1) MATERIAL: STAINLESS STEEL
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER QSI 044 6.1
- 7) WEIGHT: 0.07 lbs
- 8) POSSIBLE SUPPLIER: MCMASTER CARR P/N 6718K52

B	0.191 WAS 0.201 (ZN D4-1); 0.57 WAS 0.45 (ZN C4-1); 0.69 WAS 0.62 (ZN B5-1)	RF	11.03.07
A	NEW ISSUE	RF	10.09.16
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.03.07		

DART AEROSPACE USA, INC.
PORT HADLOCK, WA

DRAWING NO. **DSC-D4182**

TITLE **FITTING**

REV. B
SHEET 1 OF 1
SCALE
NTS

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WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35574**

Purchase Order Date 3/13/2017

PO Print Date 3/13/2017

Page Number 2 of 5

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

3	97395A451	Dowel Pin	3/15/2017	FN	30.00	\$1.23	\$36.78
			Yes		Each		
			3/15/2017				

AS PER DWG D5317 REV. A
B158090

Line Total: \$36.78

4	6718K52	Fitting, Quick Disconnect	3/15/2017		10.00	\$5.81	\$58.10
			Yes		Each		
			3/15/2017				

AS PER DWG D4182 REV. B
B158089

Line Total: \$58.10

5	71350-30	93070A107 SOCKET HEAD SCREW M4 X 0.7 MM	3/15/2017		1.00	\$7.48	\$7.48
			Yes		Each		
			3/15/2017				

Line Total: \$7.48

Deliver To: JEAN-FRANCOIS

Note:

3/13/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Jean-Francois / Chantal / Jesse

Purchase Order
PO35574
Order Placed By
Chantal Lavoie

McMaster-Carr Number
8317184-02

Page 1 of 1
03/13/2017

Line	Product	Ordered	Shipped
2	91343A100 316 Stainless Steel Serrated Flange Locknut Super-Corrosion-Resistant, 1/4"-20 Thread Size, Packs of 10	2 Packs	2
3	97395A451 Corrosion Resistant Dowel Pin Type 316 Stainless Steel, 1/8" Diameter, 3/4" Length, Packs of 10	3 Packs	3
4	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPTF Female End	10 Each	10
5	93070A107 Alloy Steel Low-Profile Socket Head Screw Black-Oxide, M4 x 0.7 mm Thread, 20 mm Long, Packs of 50	1 Pack	1
6	4471T52 Wear-Resistant A2 Tool Steel Tight-Tolerance Sheet, 3/8" Thick, 12" x 12"	1 Each	1
7	71455K64 Size AAA Alkaline Disposable Batteries, Packs of 24	1 Pack	1
8	71455K58 Size AA Alkaline Disposable Batteries, Packs of 144	1 Pack	1
9	4987A84 Permanent Bench-Top Plier Clamp	2 Each	2
10	5801A12 All-Angle Magnetic Retriever Aluminum Head, 7-3/4" Length, Approximately 2 lbs. Pull	1 Each	1
11	7385A52 Telescoping Magnetic Retriever High-Visibility Orange, 5-7/8"- 25 7/8" Long, 1-1/2 lb Pull	2 Each	2

SP 17 Feb 20

DAS 38 9-89

Shipped separately from our New Jersey warehouse on 03/13

1	9372T21 Welded Nickel-Plated Steel D-Ring for 1" Webbing Width	6 Packs	6
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Notes about your shipment

The U.S. Department of Transportation regulates the shipping of lines 7 and 8. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.

McMaster-Carr Supply Company
200 Industrial Pkwy
Aurora, ON 44702-8087 USA
Phone: 331-995-5500 Fax: 331-995-9600
E-Mail: cde.sales@mcmaster.com
Employer Identification Number (EIN): 36-158720

Invoice: 18156244
Purchase Order: PO35574
Release:
McMaster-Carr Number: 8317184-02

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 13-Mar-2017
Shipper's Export Declaration (SED):
NO EEI 30.36

FOB: ORIGIN

Intermediate Designee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Billing
Attention:
Shipping Jean-Francois / Chantal / Jesse
Attention:
Contact:

Line	Item	Description	Qty & Unit	Unit Price	Extension
2	100	316 Stainless Steel Flanged Flange Locknut Super-Corrosion-Resistant, 1/4"-20 Thread Size, Packs of 10 Country of Origin: United States Schedule B #: 731 CCN #: EAR99	2 PK	\$3.80	\$7.60
3	101	Corrosion Resistant Steel Pin Type 316 Stainless Steel, 1/8" Diameter, 3/4" length, Packs of 10 Country of Origin: United States Schedule B #: 731 CCN #: EAR99	3 PK	\$12.26	\$36.78
4	67 652	303 Stainless Steel Flange Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPT Female Country of Origin: United States Schedule B #: 84819 CCN #: 2B999	10 EA	\$5.81	\$58.10
5	107	Low-Pothead Screw Black-Oxide, M4 x 0.7 mm Thread, 1 mm long, Pack of 10 Country of Origin: United States Schedule B #: 721 CCN #: EAR99	1 PK	\$7.48	\$7.48

SP17-03-20

OAS
38
9-89

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Shipment Weight (in kgs): 15 Number of Packages: 1
Package Dimensions: 2 CM CUBIC M

Invoice Amounts:
Merchandise Amount: \$530.40
Canadian GST/HST: \$71.55
Shipping Charges: \$19.91
Total (In USD): \$621.86

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to: (by wire transfer)
Bank of America
222 Broadway
New York, NY 10038
Account 86666-02021
SWIFT BOFAUS3N
(by mail)
McMaster-Carr Supply Company
PO Box 7690
Chicago, IL 60680-7690 USA

Authorized Signature: Date: 13-Mar-2017
Name: Sarah Weinert Title: Operations Mgr.

McMaster-Carr Supply Company
 200 / Industrial Parkway
 Aurora, IL 60006-5500
 Phone: 708-550-5500
 Fax: 708-550-9600
 Email: @mcmaster.com
 Identification Number (EIN): 36-1458720

Invoice: 18156244
 Purchase Order: PO35574
 Release:
 McMaster-Carr Number: 8317184-02

ORIGINAL COMMERCIAL
INVOICE
 CERTIFICATE OF ORIGIN

Line	Quantity	Description	Qty & Unit	Unit Price	Extension
6	1 EA	Weld-Resistant A2-70 Steel Tight-Tolerance Sheet, 3/8" Thick, 12" x 12" Country of Origin: United States Schedule B #: 7209.10.00 CCN #: EAR99	1 EA	\$177.14	\$177.14
7	1 PK	Size AAA Alkaline Disposable Batteries, Packs of 24 Country of Origin: United States Schedule B #: 8507.10.00 CCN #: EAR99	1 PK	\$16.46	\$16.46
8	1 PK	Size AA Alkaline Disposable Batteries, Packs of 144 Country of Origin: United States Schedule B #: 8507.10.00 CCN #: EAR99	1 PK	\$81.82	\$81.82
9	2 EA	Ant Bench Clamp Country of Origin: United States Schedule B #: 8406.90.00 CCN #: EAR99	2 EA	\$59.42	\$118.84
10	1 EA	Magnetic Power Aluminum Head, 7-3/4" Length, Approximately 2 Country of Origin: United States Schedule B #: 8507.10.00 CCN #: EAR99	1 EA	\$8.04	\$8.04
11	2 EA	Telescoping Magnifying Glass, High-Visibility Orange, 5-7/8" - 25 7/8" Long, 1 1/2" Dia. Country of Origin: People's Republic of China Schedule B #: 8507.10.00 CCN #: EAR99	2 EA	\$9.07	\$18.14

Departure from the U.S. Government and authorized for export
 using from the country of origin for destination for use by the ultimate consignee or
 others to be transported, transferred, or otherwise
 their approval. The U.S. Government and authorized for export
 items are of the U.S. Government and authorized for export
 the country of origin for destination for use by the ultimate consignee or
 exporter(s) herein specified, to any person or to any person other than the authorized
 ultimate consignee, either in their original form or after being
 incorporated into other goods, without first obtaining approval from the U.S.
 Government or as otherwise authorized by U.S. law and regulations.

Invoice Number: 8317184-02
 Equipment: